

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 8,962,992 B2
APPLICATION NO. : 13/529090
DATED : February 24, 2015
INVENTOR(S) : Walukiewicz et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Specification

In Columns 1 & 2, Lines 51-67 & 1-3, delete “In accordance.collection.” and insert -- Solar cells with higher efficiencies can be achieved by using stacks of solar cells made of semiconductors with different band gaps, thereby forming a series of solar cells, referred to as “multijunction,” “cascade,” or “tandem” solar cells. Multijunction solar cells are made by connecting a plurality (e.g., two, three, four, etc.) P-N junction solar cells in series, thereby achieving more efficient solar cells over single P-N junction solar cells. Tandem cells are typically formed using higher gap materials in the top cell to convert higher energy photons, while allowing lower energy photons to pass down to lower gap materials in the stack of solar cells. The bandgaps of the solar cells in the stack are chosen to maximize the efficiency of solar energy conversion, where tunnel junctions are used to series-connect the cells such that the voltages of the cells sum together. Such multijunction solar cells require numerous layers of materials to be formed in a complex multijunction stacked arrangement. --, therefor.

In Column 2, Line 30, delete “align” and insert -- aligned --, therefor.

In Column 2, Line 65, delete “a block” and insert -- is a block --, therefor.

In Column 3, Line 37, delete “p/n” and insert -- P-N --, therefor.

In Column 6, Line 12, delete “p³⁰” and insert -- p¹ --, therefor.

In Column 6, Line 65, delete “p/n” and insert -- P-N --, therefor.

In Column 7, Line 5, delete “band 212” and insert -- band 214 --, therefor.

In Column 7, Line 6, delete “band 214” and insert -- band 212 --, therefor.

In Column 8, Line 44, delete “(E_V) 214” and insert -- (E_V) 216 --, therefor.

Signed and Sealed this
Thirtieth Day of June, 2015



Michelle K. Lee
Director of the United States Patent and Trademark Office